

HYDROCARBONS - are made up of

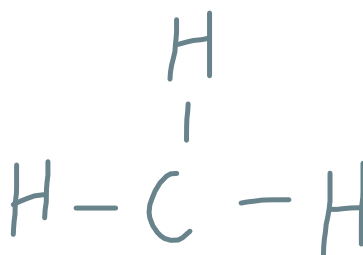


Most common elements in hydrocarbons are carbon, hydrogen but also oxygen and nitrogen.

Carbon has 4 valence electrons. So has a bonding capacity of 4.

Methane

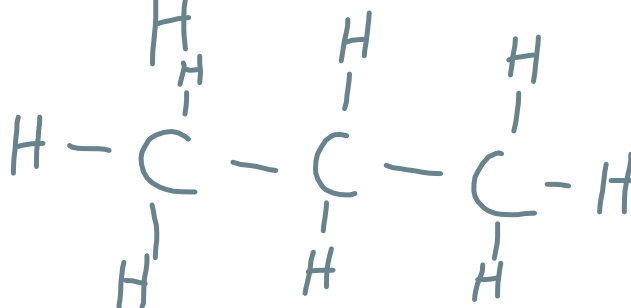
Methane



Propane



4 bonds 1 bond



| 9. Ionic bonds | Covalent bonds |
|------------------------------|---|
| → metal + nonmetal | → nonmetal + |
| NaCl | C ₃ H ₈ non-metal |
| → transfer of electrons from | (propane) |
| m to nm | → share electrons |
| Strong bond | weaker bond |